1-phase String Inverter-FAQ

Fault code and troubleshooting steps of 1-phase string inverters

Applicable to: 1-phase string inverters

Electricity meter/CT reversed polarity alarm (Code 084)

Fault name	Electricity meter/CT reversed polarity alarm (fault code: 084)
Fault type	Alarm
Fault condition	The electricity meter detects that the power of feed network is greater than the output power of inverter by more than 300W, and lasts for 5min, and gives an alarm.
Steps and methods of troubleshooting	1. Check whether the meter is connected at the wrong position. 2. Check whether the input and output wiring directions of the meter are connected in reverse. 3. If the reforming system is enabled, please check whether the rated power setting value of the existing inverter is correct.

Arc detection fault (Code 088)

Fault name	Arc detection fault (fault code: 088)
Fault type	Fault
Fault condition	The arc detection value exceeds the protection threshold set in APP
Steps and methods of troubleshooting	Disconnect the DC power, then check whether the DC cable is damaged, the terminal or fuse is loose, or contact is poor. If so, replace the damaged cable, fasten the terminal or fuse. Replace the burned component.

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Arc detection alarm disabled (Code 089)

Fault name	Arc detection alarm disabled (fault code: 089)
Fault type	Alarm
Fault condition	AFD function is turned off detected
Steps and methods of troubleshooting	Enable AFD function.

For further information, please download the user manual here.

This manual is intended for professional technicians who are responsible for installation, operation, maintenance and troubleshooting of inverters, and users who need to check inverter parameters. The inverter must only be installed by professional technicians.
The professional technician is required to meet the following requirements:

- Know electronic, electrical wiring and mechanical expertise, and be familiar with electrical and mechanical schematics.
- Have received professional training related to the installation, commissioning and troubleshooting of electrical equipment.
- Be able to quickly respond to hazards or emergencies that occur during installation, commissioning and troubleshooting.
- Be familiar with local standards and relevant safety regulations of electrical systems.
- Read this manual thoroughly and understand the safety instructions related to operations.